Claims

We claim:

1. A press arrangement for dewatering a pulp web in a machine for at least one of production and finishing of a pulp web, comprising:

at least one press nip formed by a lower press roll and an upper press roll arranged approximately above and pressed against said lower press roll;

at least one dewatering belt adapted to run above the pulp web through said at least one press nip, and to receive water expressed from the pulp web; and

a water receiving device positioned between said upper press roll and said at least one dewatering belt, said water receiving device comprising at least one suction channel projecting into a wedge-shaped area between said upper press roll and said at least one dewatering belt and extending along said at least one press nip to be transverse to the pulp web, and a connection to connect said at least one suction channel to a source of reduced pressure.

2. The press arrangement according to claim 1 wherein said at least one suction channel has a gap width of 1 to 50 mm at least in an initial zone of the at least one suction channel.

3. The press arrangement according to claim 2 wherein said at least one suction channel has a gap width of 2 to 7 mm at least in an initial zone of the at least one suction channel.

4. The press arrangement according to claim 1 wherein, at least in an initial zone of said at least one suction channel, there is a reduced pressure of 50 to 80,000 N/m^2.

5. The press arrangement according to claim 1 wherein, at least in an initial zone of said at least one suction channel, there is a reduced pressure of 10,000 to 30,000 N/m^2.

6. The press arrangement according to claim 1 including a collecting tank connected to said at least one suction channel that receives and transports away water aspirated into said at least one suction channel.